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Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- (Currently Amended) A print head for a pagewidth printer, the print head comprising
 a substrate that defines a plurality of ink inlet channels; and
- a plurality of nozzle arrangements that is positioned on the substrate, the nozzle arrangements being the product of an integrated circuit fabrication process and being in fluid communication with the ink inlet channels, the plurality of nozzle arrangements and defining a pattern which is the result of carrying out successive replications owhereinf one nozzle arrangement at least two nozzle arrangements have different with predetermined rotations and multipliers on with respect to a reference grid.
- 2. (Cancelled)
- 3. (Currently Amended) A print head as claimed in claim 1, in which:

 a nozzle arrangement is positioned at an angle of approximately 45 degrees to an axis
 of the reference grid and replicated without rotation to obtain a first group of nozzle
 arrangements; and

A print head as claimed in claim 2, in which the nozzle arrangements define a pattern generated by replicating the first group of nozzle arrangements is replicated a predetermined number of times with a 180 degree rotation to obtain a second group of nozzle arrangements.

- 4. (Original) A print head as claimed in claim 3, in which the nozzle arrangements define a pattern generated by replicating the second group of nozzle arrangements a predetermined number of times with no rotation to obtain a third group of nozzle arrangements.
- 5. (Original) A print head as claimed in claim 4, in which the nozzle arrangements define a pattern generated by replicating the third group of nozzle arrangements a predetermined number of times with no rotation to obtain a fourth group of nozzle arrangements.
- 6. (Original) A print head as claimed in claim 5, in which the nozzle arrangements define a pattern generated by replicating the fourth group of nozzle arrangements a predetermined number of times with no rotation to obtain a fifth group of nozzle arrangements.

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- 7. (Original) A print head as claimed in claim 6, in which the nozzle arrangements define a pattern generated by replicating the fifth group of nozzle arrangements a predetermined number of times with no rotation to obtain a sixth group of nozzle arrangements.
- 8. (Original) A print head as claimed in claim 7, in which the nozzle arrangements define a pattern generated by replicating the sixth group of nozzle arrangements a predetermined number of times with no rotation to obtain a seventh group of nozzle arrangements.
- (Original) A method of fabricating print head, the method comprising the steps of: forming a unit cell on a reference grid, the unit cell representing a nozzle arrangement to be fabricated on a substrate;

carrying out successive replications on the unit cell with predetermined rotations and multipliers to form a plurality of unit cells on the reference grid; and

fabricating a plurality of nozzle arrangements on the substrate using the plurality of unit cells.

- 10. (Original) A method as claimed in claim 9, which includes the step of positioning the unit cell at an angle of 45 degrees relative to an axis of the reference grid and replicating the unit cell a predetermined number of times without rotation to obtain a first group of unit cells.
- 11. (Original) A method as claimed in claim 10, which includes the step of replicating the first group of unit cells a predetermined number of times with a rotation of 180 degrees to obtain a second group of unit cells.
- 12. (Original) A method as claimed in claim 11, which includes the step of replicating the second group of unit cells a predetermined number of times without rotation to obtain a third group of unit cells.
- 13. (Original) A method as claimed in claim 12, which includes the step of replicating the third group of unit cells a predetermined number of times without rotation to obtain a fourth group of unit cells.
- 14. (Original) A method as claimed in claim 13, which includes the step of replicating the fourth group of unit cells a predetermined number of times without rotation to obtain a fifth group of unit cells.
- 15. (Original) A method as claimed in claim 14, which includes the step of replicating the fifth group of unit cells a predetermined number of times without rotation to obtain a sixth group of unit cells.

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16. (Original) A method as claimed in claim 15, which includes the step of replicating the sixth group of unit cells a predetermined number of times without rotation to obtain a seventh group of unit cells.

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